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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	: 09/982,721	Confirmation No.	: 8719
First Applicant	: Michael Slocombe, et al.	Art Unit	: 2154
Filed	: 18 October 2001	Examiner	: Patel, Ashokkumar
Title	: Content Request Routing and Load Balancing for Content Distribution Networks		
Docket No.	: 519-023-USP		
Customer No.	: 69693		

MAIL STOP RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56, 1.97, AND 1.98

Sir:

Applicant is filing a Request for Continued Examination (RCE), an Amendment and Response to Final Office Action, and an Applicant Initiated Interview Request form along with an Information Disclosure Statement (IDS) for the captioned patent application. Due to the number of non-patent literature references associated with the filing of this IDS, Applicant is paper-filing the IDS via Express Mail whereas Applicant is filing the RCE, Amendment and Response to Final Office Action and Interview Request via the U.S. Patent and Trademark Office's EFS-Web system. All parts of Applicant's filing are being filed and submitted on **October 31, 2007.**

The Examiner is respectfully requested to consider the patents, patent applications, publications, or other information cataloged on the enclosed Form PTO/SB/08a during examination of the above-identified patent application. The order of presentation of the references should not be construed as an indication of importance. These references are submitted for the Examiner's consideration and are submitted pursuant to an Applicant's duty of disclosure under 37 C.F.R. § 1.56.

Copies of all of the cited documents

☐   are enclosed unless otherwise indicated on the enclosed Form PTO/SB/08a.

☐   have been previously furnished to the Office in prior application No.
_____, filed _____, which the present application relies upon for an earlier effective filing date under 35 U.S.C. § 120. Therefore, no copies of the cited documents are included herewith pursuant to 37 C.F.R. § 1.98(d); MPEP § 609(III)(A)(2).

☒   are enclosed unless they are U.S. patents or U.S. patent application publications pursuant to 37 C.F.R. § 1.98(a).

I
BASIS

This information disclosure statement is filed pursuant to

☒   37 C.F.R. § 1.97(b).
This information disclosure statement is filed either (1) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53(d); (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; (3) before the mailing date of a first Office action on the merits; or (4) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. § 1.114, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

☐   37 C.F.R. § 1.97(c).
This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing date of any of (1) a final action under 37 C.F.R. § 1.113; (2) a notice of allowance under 37 C.F.R. § 1.311; or (3) an action that otherwise closes prosecution in the application.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c), or a statement under 37 C.F.R. § 1.97(e).

☐   37 C.F.R. § 1.97(d).
This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(c) since a

☐   final action under 37 C.F.R. § 1.113

☐   notice of allowance under 37 C.F.R. § 1.311

was mailed to the Applicant(s) on _____ . The issue fee has not been paid herein.

Accordingly, this information disclosure statement requires the fee set forth in 37 C.F.R. § 1.17(p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d), and a statement under 37 C.F.R. § 1.97(e).

If this statement crosses in the mail with an Office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated

in the next appropriate category and made of record. To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

II
FEES

Any required fee is being paid as indicated below by an enclosed check or our deposit account.

☒   No fee is due.

☐   The $180.00 fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.197(c) or (d) is due.

☐   A check is enclosed for the required fee.

☐   Please charge the required fee to our deposit account no. 503199.

☒   The Commissioner is hereby authorized to charge any additional required fees or credit any overpayments associated with this information disclosure statement to our deposit account no. 503199.

III
CERTIFICATION

Pursuant to 37 C.F.R. § 1.97(e), I state as follows:

☒   No statement is necessary.

☐   Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. 37 C.F.R. § 1.97(e)(1).

☐   No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this information disclosure statement. 37 C.F.R. § 1.97(e)(2).

Pursuant to 37 C.F.R. § 1.704(d), I state as follows:☐   Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.

IV
FOREIGN LANGUAGE REFERENCES

Pursuant to 37 C.F.R. § 1.98(a)(3)(i), any information disclosure statement filed under 37 C.F.R. § 1.97 shall include a concise explanation of the relevance, as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the information, of each patent, publication, or other information listed that is not in the English language. The concise explanation may be either separate from the specification or incorporated therein. In compliance with the rules, the Applicant(s) state as follows:

☐ No concise explanation is required since all cited references are in English.

☒ A concise explanation of the relevance of one or more foreign language references is attached.

☐ According to the procedural policy adopted by the PTO with regard to disclosure requirements, the Applicant is satisfying the disclosure requirement pursuant to MPEP § 609(III)(A)(3) by submitting herewith the following:

　☐ English language versions of any non-English language documents.

　☐ English language versions of one or more search reports or other actions by one or more foreign patent offices in one or more counterpart foreign applications, which indicate the degree of relevance found by the foreign office(s).

The Applicant has not analyzed these documents and, therefore, declines to comment on their relevance at this time.

☒ One or more English language abstracts for the non-English language references are also enclosed.

V
REMARKS

It is respectfully requested that

(1) the Examiner sign the enclosed Form PTO/SB/08a to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application; and

(2) the citations for the cited information be printed on any patent that issues from this application.

The submission of this information disclosure statement by the Applicant(s) shall not be construed as a representation that a search has been performed or that no other material information under 37 C.F.R. § 1.56 exists. See 37 C.F.R. § 1.97(g).

The submission of this information disclosure statement by the Applicant(s) shall not be construed as an admission that any information cited or referred to herein is, or is considered to be, material to the patentability of one or more of the pending claims in this application pursuant to 37 C.F.R. § 1.56(b), unless specifically designated by the Applicant(s) as such. See 37 C.F.R. § 1.97(h).

The submission of this information disclosure statement by the Applicant(s) shall not be construed as an admission that any information cited or referred to herein is, or is considered to be, or even qualifies as "prior art" under 35 U.S.C. § 102 with respect to this invention, unless specifically designated by the Applicant(s) as such.

Notwithstanding any statements by the Applicant(s), the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

VI
CONCLUSION

The Examiner is encouraged to contact the undersigned attorney to discuss any questions concerning this information disclosure statement or any of the information cited or referred to herein.

Respectfully submitted this 31st day of October 2007.

/Damon A. Rieth/
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	09/982,721	Confirmation No.	:	8719
First Applicant	:	Michael Slocombe, et al.	Art Unit	:	2154
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CONCISE EXPLANATION OF NON-ENGLISH REFERENCES

Sir:

Pursuant to 37 C.F.R. § 1.98(a)(3)(i), Applicant herewith submits a concise explanation of the relevance, as it is presently understood by the undersigned, of each patent, publication, or other information listed that is not in the English language for the attached information disclosure statement filed under 37 C.F.R. § 1.97.

Respectfully submitted,

Date: October 31, 2007

/Damon A. Rieth/

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SERVER SYSTEMS FOR INTERNET

Publication No. JP10-027148
Publication Date: January 27, 1998
Application Number: 08-180722
Applicant: Hitachi Ltd.

Explanation:

To decentralize access in a server group and back up data against fault occurrence without forcing a user to do special operation by selecting an optimum server which sends information out of one information transmission server group each time the information transmission server group is accessed.

This system has information transmission server groups 1091-109N which send information over the Internet 111 and a management server 101 which manages access from terminals. The information transmission server groups 1091-109N each consists of servers having the same information. The management server 101 has a management table containing host names given to the server groups 1091-109N and the communication addresses and selection information of the respective servers. When a communication address corresponding to a host name is requested, one of the communication addresses stored in the management table is selected and sent to the request source according to the contents of the selection information.

COMMUNICATION CONNECTION METHOD WITH A PLURALITY OF HOSTS HAVING COMMON IDENTIFIER

Publication No.: JP10-093552
Publication Date: April 10, 1998
Application No.: 08-240114
Applicant: Nippon Telegraph & Telephone Corporation

Explanation:

To maintain quality of continuous service by distributing the load on a faulty or overloaded host to other hosts so as to relive the load on the distributed source host and to change the communicating party without letting the client host to be aware of the change.

A common identifier is provided to a server group 12 and in the case of communication of other client host 14 with the server group 12, the client uses the common identifier (common domain name) to access the server group 12, then a connection destination is changed to other host 12-ij in the server group 12 based on a connection destination revision algorithm 15 when an opposite party 12-i1 is faulty or overloaded so as to enable the transmission without making the client host 14 to be aware of the change.

DECOMPOSITION OF NAME DEPENDENT ON CONTEXT

Publication No.: JP10-126445
Publication Date: May 15, 1998
Application Number: 09-187282
Applicant: Sun Microsystems Inc.

Explanation:

To provide the system that takes a context of a request party into account in a process of name decomposition.

The multiplex binding name decomposition system is provided with a name resolver, which is connected to a request party system or a recipient system or to the both, and a request to a prescribed service or a domain name is decomposed into a proper IP address. The recipient of an intended request is decomposed into information relating to a sender (e.g. geographical location and specific request party identifier or the like), information relating to the intended recipient (e.g. balance of load at the receiver side, kind of service or the like), information included in the request itself (e.g. kind of requested service) and other information (random selection of time, date and reception or the like) based on a prescribed criterion.

METHOD AND DEVICE FOR REPEATING AND CONVERTING INFORMATION

Publication Number: JP10-171727
Publication Date: June 26, 1998
Application No.: 08-328583
Applicant: Nippon Telegraph & Telephone Corporation

Explanation:

To provide a method and device for repeating and converting information by which the setting of a hyperlink, the change of a URL, and the definition of the hyperlink to the same URL corresponding to plural same description can appropriately be operated. SOLUTION: When an information request from a reception side computer C1 is received by a request repeating part 201 of a communication network, the information request is transmitted to a transmission side computer C2, and information from the transmission side computer C2 in response to the information request is received by a document file receiving part 202. Then, whether or not this received information is text information is judged by a document judging part 203, and when it is the text information data, a retrieval character string from a text document is converted into a displacement character string by using a conversion chart 205 in which the correspondence of the retrieval character string to the displacement character string is stored, and this result is transmitted from a document file transmitting part 206 to a reception side computer C1.

ELECTRONIC MAIL MULTIPLEXING SYSTEM AND COMMUNICATION CONTROL METHOD IN THE SYSTEM

Publication No.: JP07-066829
Publication Date: March 10, 1995
Application Number: 05-162529
Application: Kawasaki Steel Corporation

Explanation:

To distribute loads between multiplexed electronic mail server equipments by continuing service when at least one of plural mail server equipments is in operation.

Each electronic mail server equipment is provided with a function copying a content of a mail box or an electronic bulletin board provided to each of multiplexed electronic mail server equipments 1A-1N. A message exchange means 7 of a counter electronic mail server equipment in a client equipment 11 automatically selects one of the electronic mail server equipments in operation and connects the both. Furthermore, the client equipment selects the electronic mail server equipment with least load based on the information of the electronic mail server equipment.

DOMAIN NAME SOLVING METHOD AND DOMAIN NAME SOLVING SYSTEM

Publication Number: JP 2001-053793
Publication Date: February 23, 2001
Application No.: 11-223763
Applicant: Nippon Telegraph & Telephone Corporation

Explanation:

To return an IP address fitted to a client by permitting the client to contain additional information on the client in a question packet and permitting a server to select the IP address from the candidates of the plural IP addresses based on additional information.

A client 10 generates a question packet 100 containing a domain name and a postal code with a packet generation part 11 and an additional information addition part 12 and transmits it to a domain name solving server 20 from a packet transmission/reception part 13. The domain name solving server 20 preserves information on the IP addresses of plural content servers 110, 111 and 112, which are managed by the same domain name, in a domain address corresponding part 22 and preserves additional information in an address addition information part 23. The domain name solving server 20 refers to the corresponding table of the question packet 100 received by a question return part 24, the domain address corresponding part 22 and the address addition information part 23 and decides the returned IP address.